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COCHISE COUNTY SHERIFF SEARCH AND RESCUE

This Month in Search and Rescue

June 2019

Special points of interest:

- 6.1.2019 Tech Training W Stronghold
- 6.2.2019 K-9 training Paloma Trail
- 6.6.2019 Training & Meeting
- 6.6.2019 Agency Assist Bisbee PD, male subject suffering from dementia
- 6.8.2019 Conditioning hike and tech training Brown Canyon
- 6.9.2019 K-9 Training Palominas Rd and Waters
- 6.11.2019 Greenlee County Assist
- 6.15.2019 Training Dry Canyon
- 6.16.2019 Rescue Montezuma
- 6.22.2019 K-9 Training Misty Ray Rd
- Lots of Hug –A-Tree

6.1.2019 Tech Training W-Stronghold

During this tech training session Eric, S7, went over the personal tech gear we are supposed to carry and the subsequent field applications. Travel restriction at the edge, safety, building a 3:1, rappel with Muentner, and belaying more than one person with a Muentner as well as tie off. He went over tensionless anchors ,etc., utilizing no carabiner and using a carabiner.



Everyone was able to practice the various applications hands on.



6.2.2019 K-9 Training Paloma Trail

Another great training day for our K-9 group. K-Oz and Odin were able to work a five months old HRD problem. It is amazing how well their noses work, getting to the location like champs and giving the FTR (final trained response.). Had to look for K-Oz in the brush, since I no longer heard his bell. Odin did excellent as well. Ashley was working on two aged problems with Z, which she solved with no problems. We are a really lucky group in regard to our trail layers, staying in the field with no complaints creating big scent pools for our dogs to work through.



Dr. Scuba Corner

Leadership is not a position or a title, it is action and example.

Great leadership isn't about control. It's about empowering people.

It is better to know knots and not need knots, than to need knots and not know knots.

6.6.2019 Training and Meeting

Eric S7, again went over the personal gear we are supposed to carry in our 24-hour pack. He demonstrated the various applications and had other team members construct such as a tensionless anchor, girth hitch, prussic, etc. We never got to the meet-



ing part, because we were asked to assist Bisbee PD with a missing person suffering from dementia.

24 Hr. Equip List	Skills
2 CARABINERS	1. TENSIONLESS ANCHOR
15' WEBBING	2. BASKET HITCH
30-50' 5-8mm ROPE	3. SAFETY LINE
+ PRUSSIC CORD	4. HASTY HARNESS
* TTB. 8' 8' FOLLOW THRU	5. RAPPEL MOUNTER
* WATER KNOT	6. LOWER MOUNTER/BETA
* WRAP A PRUSSIC	7. 2:1 & 3:1 HAUL
* 8 BUTTERFLY / DIRECTIONAL	* B. CREVICE RESCUE TECHNIQUE

6.6.2019 Assist Bisbee PD

The team was all in one location at SEACOM when this call came in and we were in Bisbee in no time. By the time we arrived we learned the subject hitched a ride into Warren, where he caught the bus to Douglas and was dropped off by Food City. This could have been a very lengthy search, since the subject had been missing since 1515 hours and we did not get called until almost 1830.



6.8.2019 Conditioning Hike and Tech Review

Not everyone showed up for this hike, especially those who needed it. Deuce R24 and Mike R42 set up some excellent tech review using the personal gear we are supposed to carry. This was a one-on-one instruction, and everyone got involved in setting up systems just using the personal gear being carried. Deuce and Mike re-

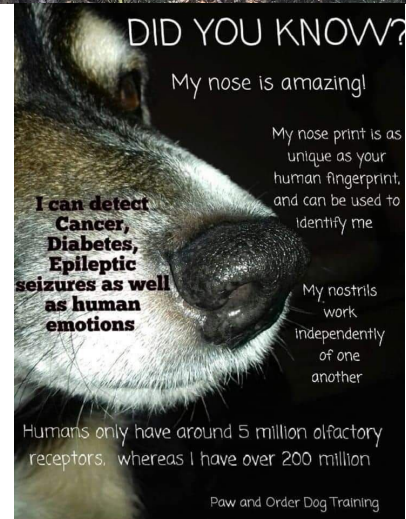
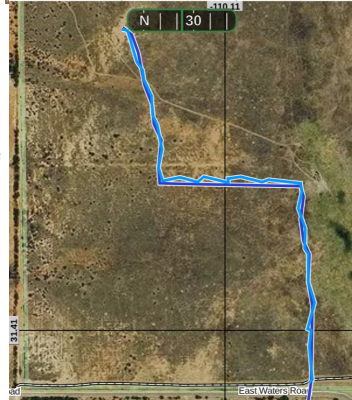
ceived some great feedback on this by everyone who attended. Working in smaller groups is really beneficial for everyone, Lots of rotations and hands on.



6.9.2019 K-9 Training Palominas

This was another great training day for our K-9s. We worked on starts and turns, as well as aged area search to include buried HRD within the San Pedro River. Bruce the trackler rocked it. All the training is paying off and our K-9s are getting better and better with each training. For the last Bisbee PD assist, Bruce was ready to go and was able to "look" for one of the Bisbee Police officers. Bruce is fun to watch, especially when he is searching for the scent on the ground. Bruce's trail was over one hour old and he worked these corners just beautifully—a true trackler.

Dietz and Z worked some aged area search scenarios in the field. Both did awesome. Both then worked a problem in the river, and both came across some additional "victims" giving the appropriate recall. K-Oz and Odin did pretty well on the buried bone within the San Pedro River. During the hot summer months we have to start our training quite early or work later in the evening. It is crazy how hot the dirt, sand, and grass gets.



When the air temperature is this, asphalt has been measured at this.*

Air Temperature	Asphalt Temperature
77°	125°
86°	135°
87°	143°

77° - 125°

86° - 135°

87° - 143°

*These temperature correlations represent worst scenario variables: direct sun, no wind, very low humidity, and high radiant energy.

At 125° F, skin destruction can occur in 60 seconds.

An egg can fry in 5 minutes at 131° F.

Data Source: Berens J. Thermal contact burns from streets and highways. Journal of the American Medical Association; 214 (11): 2025-2027.



6.11.2019 Greenlee County Assist

.On 6.11.2019 we again were asked to assist Greenlee County for search of a drowning victim. They wanted us to again check an area of high probability. Several canines showed interest in these area. The only problem, running water, and who knows where the scent is coming from and or how deep the subject is buried in the sand. We were told the river continually shifted, and deep holes were all of a sudden covered with sand. Embankments crumbled and open area underneath were no longer in existence—pretty tough. Greenlee had a lot of folks out there helping with somewhat rerouting the river.



6.15.2019 Group Training Dry Canyon

We began this particular group training with GPS conversion training. Folks were given various GPS coordinates in different formats; D M, D D, UTM. They were also provided maps showing the same coordinate system. The task was to convert a given coordinate to the one used and then plot the coordinate on the map. The team went through about 8 different points and became really proficient and quick in changing between the coordinates. When we help other counties our



team needs to be proficient in changing their



GPSs reflecting the units said county is using. For instance Coconino County is using UTM in all their searches, whereas Cochise is using DM. The 9-1-1 calls come in as DD and BP is also using the DD format. The training concluded with a search /rescue scenario. We utilized our mounted team to transport technical rescue gear to the subject location for extraction. We also learned Gipsy does not loud clanking noises on her back.



Training Schedule

7.4.2019 Happy 4th of July

7.6.2019 Tech Training

7.7.2019 K-9 Fairbanks 0600

7.11.2019 Training and Meeting SEACOM

7.13.2019 K-9 Rifle Range (Gold Gulch Rd off Arizona Street outside Warren) 0600

7.20.2019 General Training Mock Search all personnel

7.21.2019 K-9 Empire Ranch (subject to change)

7.27.2019 K-9 Hwy 90 E of San Pedro Bridge N Side of Rd

July 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

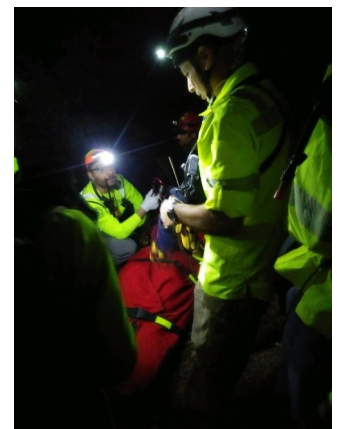
6.16.2019 Rescue Montezuma Pass

We lucked out on Saturday. Normally, when we have training we quite often end up with a mission just a couple of hours later. Well, it happened on Sunday. Luckily most of the BBQs were done, when the call for this rescue came in around 1830 hours. ,

Excellent work last night by Fry Fire District, Palominas Fire, Pima County Sheriff's Office "Sheriff 1" helicopter and Cochise County Sheriff's Office Search & Rescue. We had a 58 yr old male and his 14 yr old son hiking down the Crest Trail about a mile and a half above Montezuma Pass in the Huachuca Mountains, when the dad slipped, fell and broke his leg. The son had to leave his Dad to go down to Montezuma Pass to call 911. First responders arrived at Montezuma Pass and the son guided the Fry, Palominas and Cochise SAR teams up the mountain to where his father was.

It was decided due to the steep terrain and darkness that a helicopter rescue was the best option. Pima County Sheriff's Office was the closest available rescue helicopter. Sheriff 1 hoisted the man into their helicopter and flew him down to an LZ that had been setup by Palominas Fire near the entrance to the Coronado Memorial. He was transferred to a Fry Medic unit where he was taken to Canyon Vista Medical Center for treatment.

Again great interagency work!



6.22.2019 K-9 Training Misty Ray Rd

Our K-9 training days are starting rather early during these hot summer months. A 630 am or earlier is quite common, and we finish before it gets too hot. Working the dogs in this hot environment, we really have to pay close attention to their well being and any sign of possible distress. No training is worth losing a dog to heat stroke. Train, train, train, never a break.

Working a K-9 takes a lot of discipline and the willingness to constantly train. Whether during a group training or on your own. It never stops. The reliability of our search K-9 depends on our training. The more we train the better they, and we become.



“Good leadership requires you to surround yourself with people of diverse perspectives who can disagree with you without fear of retaliation.”

Doris Kearns Goodwin via Mike Kaeding

A REMINDER

HOT! HOT! HOT!

Estimated Vehicle Interior Air Temperature v. Elapsed Time

Elapsed Time	Outside Air Temperature (F)					
	70	75	80	85	90	95
0 minutes	70	75	80	85	90	95
10 minutes	89	94	99	104	109	114
20 minutes	99	104	109	114	119	124
30 minutes	104	109	114	119	124	129
40 minutes	108	113	118	123	128	133
50 minutes	111	116	121	126	131	136
60 minutes	113	118	123	128	133	138
> 1 hour	115	120	125	130	135	140

Department of Geosciences, San Francisco State University

HOT ASPHALT

When the air temperature is this

The asphalt temperature has been measured at this

77° → 125°

86° → 135°

87° → 143°

At 125° F, skin destruction can occur in 60 seconds.

An egg can fry in 5 minutes at 131° F.

Press the back of your hand firmly against the asphalt for 7 seconds to verify it will be comfortable for your dog

These temperature correlations represent worst scenario variables: direct sun, no wind, very low humidity, and high radiant energy.

Data Source: Berens J. Thermal contact burns from streets and highways. Journal of the American Medical Association 214 (11): 2025-2027

from the Show Low Police K9 Unit

www.AwsotTheDog.com



Turn Around Don't Drown



#monsoonsafe



**It takes as little
as 6 inches to
sweep away
an adult.**

**It takes as little
as 12 inches of
running water to
sweep away a
car.**



**It takes two feet
of moving water
to sweep away
most trucks and
suvs.**

**Stupid Motorist
Law violation
starts at \$2000
and goes up.**

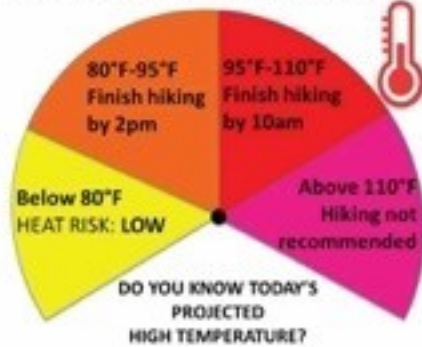


Remember Turn Around Don't Drown



Cochise County Sheriff's Office Search & Rescue

Know Today's Outdoor Activity Risk



Hike Smart:

- ✓ **Keep Hydrated**
 - Bring and DRINK more water than usual, 1-2 liters/quarts per hour.
 - Drink electrolyte replacements/sports drinks and eat salty snacks to replace essential minerals lost by sweating.
- ✓ **Protect Your Skin**
 - Use sunscreen 30 SPF or higher and reapply often.
 - Wear a hat and light-colored clothes preferable long sleeves.
- ✓ **Plan Ahead**
 - Check weather forecast.
 - Share your plans.
 - Don't forget the map.
 - Plan you hike for the Temps!

August 2019

Su	Mo	Tue	We	Th	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Training Schedule August

8.1.2019 Training and Meeting SEA-COM 1730 hrs

8.3.2019 Tech Training

8.4.2019 K-9 Charleston N Side

8.10.2019 K-9 Waters off Palominas Rd

8.17.& 18 2019 Basic SAR Academy
Mandatory for all new personnel

8.24.2019 K-9 Hwy 90 N side of Rd
east of Bridge

8.31.2019 K-9 Paloma Trail Head

(All K-9 training dates and location are
subject to change)

Assist Other Agency by D. Epps

Cochise County Sheriffs Office Search and Rescue (CCSOSAR) worked with the Department of Homeland Security's (DHS) Homeland Security Investigations (HSI) Rapid Response Team (RRT). RRT is a component of HSI that trains for and responds to natural and human-made disasters. HSI has numerous RRTs through the United States to assist Local, State, and Federal law enforcement. The team's motto "Anytime, Anywhere" speaks to their dedication and willingness to assist in the event of a disaster. CCSOSAR worked with the Arizona Region RRT providing training on small boat and raft operations on Parker Canyon Lake. Team members learned how to operate a jet boat and perform basic maneuvers and docking. Team members also learned

basic boat handling and raft righting. In addition to the boat handling, RRT members learned how to recover persons and objects out of the water back into the boats. These skills are invaluable for the Arizona RRT members in the event they must deploy to flooded areas to conduct their missions. In standing with the Cochise County Sheriffs Office Motto "Leading the Way, Since 1881" our SAR team is always grateful for the opportunity to train with other agencies and improve intergovernmental relationships. #cochisesar #leadingtheway



Heed the Heat

An Evidence-Based Guide to Heat Stress

Heat Exhaustion

Consider activity, environment, clothing and predisposing factors.

Nausea
Fatigue
Dizziness
Weakness
Rapid Pulse



Heat Stroke

Seizures
Agitation
Confusion
Slurred Speech
Loss of Consciousness

Seek Shade
Drink Cool Fluids

Rest

Immerse or Douse
in Cold Water

Call 911

Only some of these signs/symptoms may be present

Altered Mental Status is the cardinal sign of Heat Stroke.

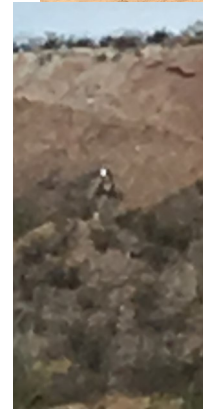
The presence or absence of sweat on skin is irrelevant

CWI (Cold Water Immersion) is standard of care for Heat Stroke.

@downtoifer
@hawkvox
@TodSchimelpfenig
@timd4321



RAWMedicine.org
@rawmedic



Hug-A-Tree — Benson 6.28.2019

